

DAILY FIELD ACTIVITY REPORT

PROJECT NAME: Pre-Remedial Design Investigation and Baseline Sampling, Portland Harbor Superfund Site

DATE: April 21, 2018	WEATHER: Mostly sunny, ~60 degrees F
Personnel and Visitors Onsite: Research vessel Cayuse - (no oversight representative – boat did not collect samples) <u>AECOM</u> : Michaela McCoog; <u>Geosyntec</u> : Erin Dunbar; <u>Gravity Marine</u> : John Schaefer, Peter Jenkins Research vessel Tieton - <u>CDM Smith</u> : Jason Silvertooth; <u>AECOM</u> : Nicky Moody; <u>Geosyntec</u> : Alison Clements; <u>Gravity Marine</u> : Mike Duffield, Maggie Mckeen	
Planned Activity: <ul style="list-style-type: none">Collect surface sediment samples at stratified random sample locations between river mile (RM) 7.5 and 8.5 W. Locations were selected that are anticipated to have soft sediment while protocol for sampling when sediment recovery is <20 cm is under review.	
Activity Completed: <p>A tailgate safety meeting was led by AECOM. Topics included heat stress, wearing sunscreen, staying hydrated, pinch points (especially potential pinch point between boats when they are tied together), and using 3 points of contact when onboarding, offboarding, and traveling to wheelhouse of Tieton vessel.</p> <p>Jason Silvertooth performed oversight of surface sediment sampling at random stratified locations on the west side of on the Willamette River from 08:00 to 17:30 on board the Tieton. Specific activities completed by the AECOM/Geosyntec team, with vessel support from Gravity Marine, are as follows:</p> <ul style="list-style-type: none">GPS position checks were performed at the beginning and end of the day at the PH-2 pile at the Fred Devine property.3-point composite surface sediment samples were collected from seven random stratified sampling locations near RM 8 W and the western portion of the navigation channel as summarized below. Between sampling locations all sampling equipment was decontaminated using Alconox and deionized/distilled water.	
Status of Schedule & Priority Work: <ul style="list-style-type: none">Random stratified sampling will continue through the weekend and into next week, generally progressing up the river.Locations on private property are being skipped until access agreements are obtained.Sample locations in areas of known/encountered heavy sheen contamination are planned to be skipped and returned to with support from NRC Environmental Services to contain sheen during sampling.Sampling is taking more time than initially projected.	
Issues/Concerns/Resolutions (include work performed that was not planned or anticipated): <p>The Cayuse vessel had a mechanical issue identified in the morning while attempting to depart from the Swan Island dock. The Tieton moved the boat to the Fred Devine dock for repairs, and no sampling activities were performed by the Tieton on 4/21/18.</p> <p>In discussion with the AECOM sampling crew regarding protocol for samples with sediment recovery <20 cm, AECOM indicated that the field team was directed to implement the protocol identified in a flow chart provided to EPA on Friday, 4/20/18. CDM Smith indicated that EPA has not provided concurrence with that approach and advised implementing the approach requested by the EPA. The decision was made by AECOM to proceed with sampling at locations anticipated to have soft sediment with sufficient recovery depths while the sampling protocol is being resolved. In the event of insufficient recovery, work will be paused to consult with supervisors regarding preferred plan of action.</p>	
Samples Collected, Measurements Made, Photographs: (List Locations, Matrix & Sample type): <p>On the Tieton, stratified random surface sediment samples were collected at following locations between RM 7.5 and 8.5 W and in the wester portion of the navigation channel:</p> <ul style="list-style-type: none">PDI-SG-B239-BL1 – Within 25 ft radius, silt, MS/MSD collectedPDI-SG-B241-BL1 – Within 25 ft radius, siltPDI-SG-B245-BL1 – Within 25 ft radius, silty sandPDI-SG-B235-BL1 – Within 25 ft radius, sandy siltPDI-SG-B227-BL1 – Within 25 ft radius, sandy silt	

- PDI-SG-B222-BL1 – Within 25 ft radius, silt (very soft)
- PDI-SG-B282-BL1 – Within 25 ft radius, silt

Note: Sediment descriptions are simplified and AECOM/Geosyntec documented using USCS descriptions.

Photographs of work were taken throughout the day on board the Tieton and provided to EPA via email. Additional photos were taken and archived with a description included in the photolog Excel spreadsheet, which are maintained electronically in the ProjectWise project folder.

Borings Completed (Include total footage drilled for each boring):

None

Wastes Generated and How Handled:

- Excess sediment and debris in the power grab sampler and in the sampling bowls was rinsed back into the river per the FSP.
- Disposable gloves, paper towels, and other general trash was containerized in a trash bag and removed daily for disposal to a municipal waste management dumpster.
- Significant sheen was not observed in sediment and no sheen was observed in river water.

Health and Safety Issues, Equipment Needs, Staffing:

None

Signature:

Jason Silvertooth

DATE

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